

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

HADA et al

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Group: unknown

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Examiner: unknown

For: CONTROL METHOD FOR GAS CONCENTRATION SENSOR

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January 29, 2002

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

PRELIMINARY AMENDMENT

Kindly preliminarily amend the above-identified application as follows:

IN THE CLAIMS

Please substitute the following amended claims for corresponding claims previously presented. A copy of the amended claims showing current revisions is attached.

17. (Amended) A method of controlling a gas concentration sensor comprising the steps of:

detecting an impedance of the sensor from a voltage of the sensor and a current of the sensor;

detecting a gas concentration with the sensor;